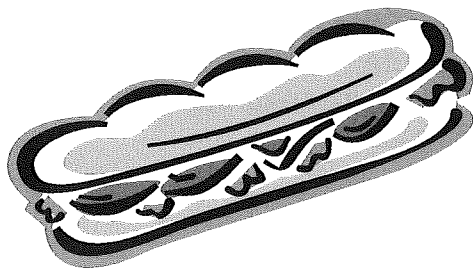




## Unit 1 Lesson 3

### Jonah's Sandwiches



Jonah has invited several friends to watch movies with him. In order to feed his friends, he has purchased a variety of different submarine-style sandwiches. Use a centimeter ruler to complete the following:

- 1 The line segment shown below represents the entire turkey submarine sandwich that Jonah purchased. Draw another line segment to represent  $\frac{1}{4}$  of the sandwich.  

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- 2 The line segment shown below represents  $\frac{2}{3}$  of a roast beef sandwich. Draw another line segment to represent the entire sandwich.  

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- 3 The line segment shown below represents  $\frac{3}{5}$  of a ham sandwich. Draw another line segment to represent the entire sandwich.  

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- 4 The line segment shown below represents the entire tuna-salad sandwich that Jonah purchased. Draw another line segment representing  $1\frac{5}{8}$  sandwiches.  

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- 5 The line segment shown below represents  $1\frac{1}{2}$  chicken-salad sandwiches. Draw another line segment to represent 2 sandwiches.  

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## Independent Practice

	Decimals	Fractions
Addition	<ul style="list-style-type: none"> <li>Line up digits according to place value.</li> <li>Add digits in corresponding place values to find the sum.</li> </ul>	<ul style="list-style-type: none"> <li>Rewrite numbers so that they have a common denominator.</li> <li>Add numerators, keep denominator.</li> <li>Simplify if necessary.</li> </ul>
Subtraction	<ul style="list-style-type: none"> <li>Line up digits according to place value.</li> <li>Subtract digits in corresponding place values to find the difference.</li> </ul>	<ul style="list-style-type: none"> <li>Rewrite numbers so that they have a common denominator.</li> <li>Regroup if necessary.</li> <li>Subtract numerators, keep denominator.</li> <li>Simplify if necessary.</li> </ul>
Multiplication	<ul style="list-style-type: none"> <li>Multiply to find the product.</li> <li>Write the product with the same number of decimal places as the total number of decimal places in the factors.</li> </ul>	<ul style="list-style-type: none"> <li>Rewrite mixed numbers as improper fractions.</li> <li>Simplify if necessary.</li> <li>Multiply numerators and multiply denominators.</li> <li>Simplify if necessary.</li> </ul>
Division	<ul style="list-style-type: none"> <li>Multiply both numbers by a power of 10 to eliminate the decimal from the divisor.</li> <li>Divide to find the quotient.</li> </ul>	<ul style="list-style-type: none"> <li>Rewrite mixed numbers as improper fractions.</li> <li>Rewrite an equivalent multiplication problem with the reciprocal of the divisor.</li> <li>Simplify if necessary.</li> <li>Multiply numerators and multiply denominators.</li> <li>Simplify if necessary.</li> </ul>

- 1 Zoey went shopping for school clothes with her mother on tax-free day. She bought a t-shirt for \$12.99, a pair of jeans for \$24.99, a pair of sneakers for \$49.99, and a jacket for \$27.75. Zoey contributed \$53.47 towards the cost of these items, and her mother paid the rest.

a) Write an equation that could be used to determine  $a$ , the amount of money Zoey's mother paid.

b) How much money did Zoey's mother pay for these items?



## Unit 1 Lesson 3

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- 2 Daniela made oatmeal raisin cookies for her family. Her recipe made 36 cookies using  $2\frac{3}{4}$  cups of flour,  $\frac{2}{3}$  cup of brown sugar,  $\frac{3}{4}$  cup of butter, 1 cup of granulated sugar, 1 cup of oatmeal, and  $1\frac{1}{4}$  cups of raisins. Next week, she will use the same recipe to make cookies for her friends, but she won't need as many cookies. How much of each ingredient will Daniela need to make 18 cookies?

- 3 Antonio placed a rain gauge in his backyard to keep track of rainfall for a science experiment. On Friday,  $13\frac{1}{3}$  centimeters of rain water had been collected. There was no rain during the next week. On the following Friday, Antonio saw that the gauge now contained only  $9\frac{1}{2}$  centimeters of rain water. How much rain water evaporated during that week?

4  $(3.75)(9.2) =$  \_\_\_\_\_

5  $2\frac{5}{8} \cdot 1\frac{5}{7} =$  \_\_\_\_\_



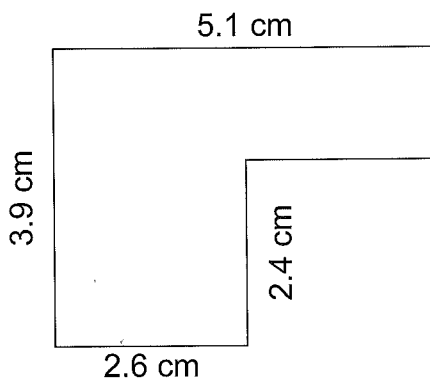
- 6 Mrs. Gutkowski has  $2\frac{3}{4}$  yards of ribbon to use for making embellished picture frames.

Each frame requires  $\frac{1}{2}$  of a yard of ribbon.

- a) Write an equation to determine  $n$ , the number of picture frames Mrs. Gutkowski can make with  $2\frac{3}{4}$  yards of ribbon.

- b) How many picture frames can Mrs. Gutkowski make with  $2\frac{3}{4}$  yards of ribbon?

- 7 Find the area of the region shown below.



8  $3\frac{1}{4} - 2\frac{5}{6} =$  \_\_\_\_\_

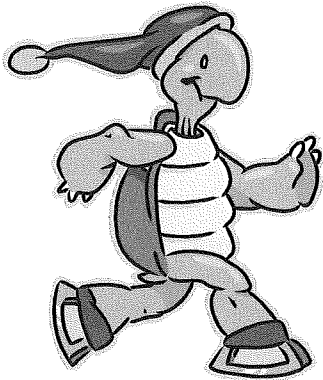
9  $6\frac{7}{8} + 3\frac{2}{3} =$  \_\_\_\_\_



## Unit 1 Lesson 3

### Rapid Reptiles

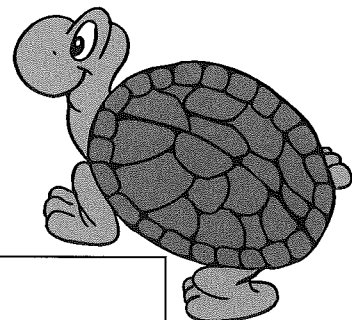
Three turtles are training for the upcoming turtle race at the county fair. Their longest distance traveled and the time it took to travel the distances are shown in the table below.



Turtles in Training

Turtle	Distance (feet)	Time (seconds)
Dude	$5\frac{3}{4}$	33.4
Crush	$2\frac{3}{8}$	10.8
Squirt	$7\frac{1}{3}$	38.5

Which turtle traveled at the fastest rate? Justify your answer.



FOR TEACHER USE ONLY:

a. YES NO Student arrives at a correct solution?

	4	3	2	1
b. Conceptual Knowledge				
c. Procedural Knowledge				
d. Communication				



- 1 Four-fifths of the 14,000 people who attended the Stanley Cup playoff game last night purchased snacks from the snack bar, and  $\frac{3}{4}$  of them also purchased a beverage. Which expression could be used to determine the number of people who purchased both a snack and a beverage at last night's game?
- A  $\left(14,000 \cdot \frac{4}{5}\right)\left(\frac{3}{4}\right)$
- B  $\left(14,000 \div \frac{4}{5}\right)\left(\frac{3}{4}\right)$
- C  $14,000 - \left(\frac{4}{5} \cdot 14,000\right)$
- D  $14,000 - \left(\frac{3}{4} \cdot 14,000\right)$
- 
- 2 The Lionetti family ordered 10 medium pizzas to serve at Nicky's birthday party. Each pizza was sliced into 8 slices. After the party,  $1\frac{7}{8}$  pizzas were left. If each serving was 2 slices of pizza, how many servings were leftover after the party?
- A  $\frac{15}{32}$  serving
- B  $3\frac{7}{8}$  servings
- C  $4\frac{7}{8}$  servings
- D  $7\frac{1}{2}$  servings



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- 3 Masha and 5 of her friends went out to dinner to celebrate her birthday. The total bill came to \$143.40 and they split the bill evenly. The group of girls then went to the movies where each ticket cost \$7.50. How much did each friend have to pay for the dinner and movie?

A \$36.18  
B \$31.40  
C \$28.68  
D \$23.90

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- 4 If  $3\frac{1}{2}$  sticks of butter are enough to bake 2 cakes, how many sticks of butter will be needed to bake 7 cakes?

A  $24\frac{1}{2}$  sticks  
B  $10\frac{1}{2}$  sticks  
C  $12\frac{1}{4}$  sticks  
D  $1\frac{3}{4}$  sticks